## Database Administration Concepts & Database Management Project (IST659)

## There are three word documents in this folder, App\_Layout-Diagram\_Customers, App\_Layout-Diagram\_Owners, Project Description (data stories) and reflection, as well as WorkLog. The Diagram Customers document provides screenshots as well as descriptions of each of the Power App screens designed for the customer user story. This includes signing up as a new customer, leaving a review as a returning user, and viewing a list of restaurants. The Diagram Owners document provides screenshots and descriptions of Power App screens relating to the owners user story. This includes signing up as an owner, adding your restaurant to the app, adding your website to the app, viewing other owners, and viewing competing restaurants. The Project Description document contains a link to the PowerApp, the goals we set to accomplish with our project, as well as personal reflections on the project from me and my teammate. Upon testing the link, I am still able to view and interact with the PowerApp, but I cannot guarantee it will work for other users. The WorkLog document provides total time worked, tasks worked on, and who worked on each of the given project tasks. Documents can be reviewed in Microsoft Word, the PowerApp can be viewed by clicking the link, logging in to Microsoft, and granting permissions to the IST659 database that was created for this project.

There is one Excel file in this folder named ER-Data-Requirements-Projects, this excel file is an entity relationships for each of the described data entities. Names, attributes, properties, and descriptions are provided for each of the entities. Relationships between each entity are also provided to the right of the entity description. Both tabs of this Excel file, correct-data-reqs and data-reqs, provide information regarding the entities and their relationships with each other. This can be viewed in Microsoft Excel

There are two png files in this folder, erd.finalproject.drawio.png and LogicalModel.png. the ERD png is a picture of the entity relationship diagram required for this project, it is it is similar to the excel file, but provides the information in a more visually understandable way. The Logical Model png is a picture of the logical model used for this project. It includes all the tables that were created, their primary keys, foreign keys, and link to other tables (shown with the arrow). Associated with these two images are two drawio files bearing the same (or similar names). These png files are pictures of the contents within the drawio files. The picutres should be accessible just by double clicking them, however, to see the actual drawio files, they must be opened on their platform.

The PowerPoint file in this folder, IST659 Presentation, is a final presentation delivered by my teammate and I, summarizing our goals and demonstrating our PowerApp. This can be accessed via Microsoft PowerPoint.

The last two files are SQL files called Insert data examples and ist659 final project table creation. The insert data sql file supplies data to the database via insert statements. This was done to populate the PowerApp for the demonstration and for proof of concept. The table creation script is the up/down script for each of the tables, foreign keys, views, and procedures needed to create the database. Each of these files can be viewed in notepad, notepad++, or your preferred SQL environment.